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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/810,013	03/26/2004	Glen Fryxell	E-1845 DIV	7757
7590 07/11/2006			EXAMINER	
Douglas E. McKinley, Jr.			RAETZSCH, ALVIN T	
McKinley Law	Office			
P.O. Box 202		ART UNIT	PAPER NUMBER	
Richland, WA 99352			1754	
			DATE MAILED: 07/11/2006	5

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
	10/810,013	FRYXELL ET AL.			
Office Action Summary	Examiner	Art Unit			
	Alvin T. Raetzsch	1754			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period was Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim fill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	I. ely filed the mailing date of this communication. O (35 U.S.C. § 133).			
Status					
1)⊠ Responsive to communication(s) filed on 26 M	arch 2004.				
2a) ☐ This action is FINAL . 2b) ☒ This					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
4) ⊠ Claim(s) 10-1 bis/are pending in the application 4a) Of the above claim(s) 13-1 bis/are withdraw 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 10-12 is/are rejected. 7) □ Claim(s) is/are objected to. 8) ⊠ Claim(s) 10-1 are subject to restriction and/or	n from consideration.				
Application Papers					
9) The specification is objected to by the Examine	r.				
10)⊠ The drawing(s) filed on <u>26 March 2004</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correct					
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892)	4) Interview Summary				
Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate latent Application (PTO-152)			

Application/Control Number: 10/810,013 Page 2

Art Unit: 1754

Election/Restrictions

1. This application contains claims directed to the following patentably distinct species: alkaline earth metals (Be, Mg, Ca, Sr, Ba, Ra), transition metals (Ni, Ti, Zn), & alkali metals (Li). The species are independent or distinct because they are classified in different locations and the chemical/physical properties of the different groups are unique.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, claim 10 is generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which depend from or otherwise require all the limitations of an allowable generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

- 2. During a telephone conversation with Douglas McKinley on 6/20/06 a provisional election was made with traverse to prosecute the distinct species of alkaline earth metals (Be, Mg, Ca, Sr, Ba, Ra), corresponding to claims 10-12. Affirmation of this election must be made by applicant in replying to this Office action. Claims 13-16 are withdrawn from further consideration by the examiner, 37 CFR 1.142(b), as being drawn to a non-elected invention.
- 3. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Application/Control Number: 10/810,013

Art Unit: 1754

Claim Rejections - 35 USC § 102

Page 3

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. **Claims 10-12** are rejected under 35 U.S.C. 102(b) as being anticipated by Mahuli et al. (AIChE 1997).

Mahuli teaches a calcium carbonate with a significant portion of its pores in the 5-20 nm size range (see abstract).

5. **Claims 10-12** are rejected under 35 U.S.C. 102(b) as being anticipated by Morifuji (5,240,692).

Morifuji teaches a magnesium carbonate having pores in the nanoscaled range, including many less than 10 nm (Column 3).

Any inquiry concerning communications from the examiner should be directed to Alvin Raetzsch at 571-272-8164. The examiner can normally be reached on 9-5 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stanley Silverman can be reached on 571-272-1358. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

ATR

